



IRSE NEWS is published monthly by the Institution of Railway Signal Engineers (IRSE). The IRSE is not as a body responsible for the opinions expressed in IRSE NEWS.

© Copyright 2015, IRSE. All rights reserved.

No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means without the permission in writing of the publisher. Copying of articles is not permitted except for personal and internal use. Multiple copying of the content of this publication without permission is always illegal.

Editor

Ian J Allison

102 Beacon Road, Loughborough, LE11 2BH, UK
Tel +44 (0) 7794 879286
e-mail: irsenews@irse.org

Deputy Editor

Tony Rowbotham

36 Burston Drive, Park Street, St Albans, AL2 2HP, UK
e-mail: irsenews@aol.com

Assistant Editors

Harry Ostrofsky (Africa)

e-mail: thehzos@icon.co.za

Tony Howker (Australasia)

e-mail: ahowker@bigpond.com

David Thurston (N. America)

e-mail: david.thurston@temple.edu

Buddhadev Dutta Chowdhury (Asia)

e-mail: bduttac@gmail.com

Wim Coenraad (Europe)

e-mail: wimcoenraad@me.com

Priyank Patel (Younger Members)

e-mail: PriyankPatel@tfl.gov.uk

Contributions

Articles of a newsworthy or technical nature are always welcome for IRSE NEWS. Members should forward their contributions to one of the Editors listed above.

Advertising

For advertising rates and deadlines call

Andrew Walker at DVV Media

Tel: +44 (0)208 652 5214

e-mail: andrew.walker@dvvmedia.com

Advertisements are accepted on the basis that the advertiser and agency (if any) warrant that the contents are true and correct in all respects.

Web Site

For up to date information about the Institution or its activities, or to download a membership application form, log on to the IRSE Web Site: www.irse.org

London Office

IRSE, 4th Floor, 1 Birdcage Walk, Westminster, London, SW1H 9JJ, United Kingdom

Enquiries

MEMBERSHIP OR OF A GENERAL NATURE

Tel: +44 (0)20 7808 1180

Fax: +44 (0)20 7808 1196 e-mail: hq@irse.org

PROFESSIONAL DEVELOPMENT

Tel: +44 (0)20 7808 1186 e-mail: training@irse.org

LICENSING

Tel: +44 (0)20 7808 1190 e-mail: licensing@irse.org



www.facebook.com/IRSEUK
www.facebook.com/IRSE0z
www.facebook.com/ian.allison

I was delighted to be contacted by our Editor in my role as Chairman of the Minor Railway Section to let me know that the Section had recruited the IRSE's youngest member. Morgan Cookman joined the IRSE as a result of attending one of the section's technical courses. The resulting write up spotlighting Morgan's life to date and his ambitions is recorded in this issue within the IRSE Matters section.

Compiling the submissions from Morgan, his father and his mentors set me thinking about the signal engineer's recruitment process and the way we attract youngsters in to our profession in all trades and grades. I end my piece by asking if there is a suitable "Cadet scheme" that Morgan could join. The article went out for proofing to a number of the great and good in our profession and I was regaled with comments such as "what century do you live in" etc. When I asked these cutting edge people what they and their firms had replaced this scheme with there was a stony silence.

It concerns me when I am out and about, to be the youngest person in the cabin with the grown-ups on large and complex schemes (I am a mere 56). I recently attended site to check on a task for a client and was surprised (but delighted) to find a former boss who had been brought back out of retirement to supervise the more intricate parts of the job. How long can we maintain this state? With a marked lack of opportunities for youngsters to join us, combined with an aging workforce and more new schemes on the drawing board than I can ever remember how will we sustain our profession?

So what: As a result of these thoughts the Minor Railway Section will be trialling an annual training scheme for minor railway S&T staff. The IRSE has thrown its weight behind the section and donated a log book for the trainee to complete during his training which, will consist of various experience gaining opportunities being provided at minor railways about the country including a fortnight block training spell. We hope that this will encourage new entrants into the sector and bring us new members.

Can you help us? More importantly, what are you going to do to attract some good enthusiastic youngsters to your firm and the profession in general in 2015? Please do let me and the Institution know.

Major I Hughes TD

Chairman, Minor Railway Section



Front Cover: Gioconda's Virtual Signal Sighting system being used to simulate part of the Croyley Rail Link, UK. The scene shows the terminal platforms for the 'dc lines' at Watford Junction which the Metropolitan Line trains will also use when the Link is complete.

IN THIS ISSUE

Page

Signalling Control Systems - Innovations and Future Developments

(London February Paper) Pascal Poisson and Jacques Poré

2

Industry News

10

Challenges of Upgrading Jabodetabek Railway (Part 2)

Buddhadev Dutta Chowdhury

14

IRSE Matters

20

'And the Survey says ...' - Results from the 2014 Survey

20

IRSE Technical Visit to Thameslink and Three Bridges

23

Minor Railways Section: *The IRSE's Youngest Member*

27

Minor Railways Section: *Call for Papers*

29

Midland and North Western Section: *Proportionate Design*

30

Wing Award for Safety: Call for Nominations

31

Obituary: J Oehler

32

On The Move

33

Membership Matters

Back Cover